

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:119	Late	LPZ-045	AGGTGACCGTGGGGGATGGGGCCGTGGGGAAGACTTGTATGCTCATCTCCTACAC AAGCAACACGTTTTCCAACGGATTACGTGCCGACTGTTTTGACAATTTTAGTGCAAA TGTGGTTGTTGATGGCAATACAGTAAACCTTGGCTTGTGGGACACTGCAGGGCAA GAAGATTACAACAGACTGAGGCCATTGAGTTATAGAGGTGCAGATGCTTTTCTGCT TGCCTTTTCTCTGATCAGCAAGGCTAGTTATGAAAATATATCAAAGAAGTGGATTCC AGAACTTAGACATTATGCACCAAATGTGCCAATCATTCTTGTGGGAACTAAATTAGA TTTGCGTGATGACAAGCAGTTCTTTGCTGATCATCCTGGAGCAGCCCCCTATAACAA CAGCTCAAGGTGAAGAGTTGAAGAAGCAGATTGGAGCAGCAGCATATATTGAGTG CAGTTCCAAAACCCAGCAGAATGTCAAGGCTGTTTTTGTGCTGCAATTTAAAGTGG TTCTTCAGCCACCAAAGCAGAAAAAGCGGAGAAAAAGCAGAAAAATTGTTCTATTCT TCTAAGAAAAATGTGGATGTTCTGAACGCNCTTCACTGACAATAANGNTGACGTNG GAATATCTTCCTCC
SEQ ID NO:120	Late	LPZ-047	AGGTGACCGTAAGCACAAGTCGTCAAAATTATCTCTATTCCGGCAGTAAAAACCTAT AGCTAATGATGGATCAATACCACTAAGTGGCAGCTGGCGTACATCTCTGCAATGAT AAGAACCAGTATCAGTCCCCATATAATCAGGAGATATCTCCAGCACCTGCTGCAC ACATGTGGATCTTAGTACAGAGCCTGATCATCCTGAACACCAACAATATACGTTGAA GCTCCGGGCTTTCCACCAGCAATACCAAGACTTTGGGGAATGTGAACGTTTCACG AAGTGATGGTACATACCTTGGGTTGATCTTCTACACCAAGAACAAGCGGCACCA AAATCAGGATAGGCACCTTGGTCTTCCCCTTCTCCATTGGACCACTCTGAACACAAG CCTCGCAGCATCATCAATGCAGATAACTGGGCGCCCTCCACGGTCACCT
SEQ ID NO:121	Late	LPZ-049	AGGTGACCGTGCCATAGCGCATGGCGTGTAAGTGGATGAGACCGCATGGCTCAAA TCTGCTAGGAATCAACATGAAATCAGCTCCAGCTGTTATCATATGAGCAAGTGGCA CGTTAAACTTTGCTACTCCCCTGACGTTGTCTGGATATTTCTCTTCAAGCTCTTCAA GCTGCTTCTCCAAGTACTTTTTACCGGTGCCTAGGATAATTAAGTGCACGTTTTCAT CTGCAATTAGAGGGACAGCTTCAGCAAGAATATCTGGACCTTTCTGCTCTTCAAGT CTTCCAATAAATCCTATAACAGGAATATCTGGATCCACGGTCACCT
SEQ ID NO:122	Early	LPZ-051	ATGTGACCGTCAAAAGGGCATATAAATCGGGGAGCTCAATGGCAAGAATGTACGAT TTCTGGCCTCAAGTCGCCCTGAATTTGGTCAACAACATCTTGATAGAGCGAGAGGA CGCTCCCAATTAAGATCTGGAACTGTCGAGAGTGATTGAGGTCAATTTTAAATCTAA ACTGAATTGTGGGGACAATTTTCAATTCAGATCCTTCTAGCAAAGCAAAGCAAAGC TTAACAGTATTGTATCCATGAGAATGGATTCTGCACAGGTCAGGCTCCACGGTCAC CT
SEQ ID NO:123	All	LPZ-053	AGGTGACCGTGGAGAAGAGAACGCTTTGCCGACTCTCTGGGATGCCCTTCCCTCC ATAGCCGTCGTGGGAGGACAGAGCTCCGGGAAATCCTCTGTGCTGGAGAGCATCG TTGGAAGGGATTTTTTACCGCGTGGATCAGGTATTGTTACTAGACGGCCGCTTGTCT CTTCAACTTCACAAGACTGATGAAGGCAGCAGGGATTACGCCGAATTCCTTACCA ACCCAGAAAGAAATACACCGACTTTGCACTGGTAAGGAAGGAAATTGCGGATGAGA CTGATCGAATTACAGGGCGTTCCAAGCAAGTCTCAAGTGTCCCAATTCACCTTAGT ATTTATTCACCCAATGTTTGTAATTTGACTCTAATTGATCTCCCTGGGTTGACAAAA GTGGCTATTGACGGTCACCT
SEQ ID NO:124	Middle	LPZ-054	AGGTGACCGTGCAATATTGTATTCCAGGACCAAGTACTTAGGACAGAATCAGGTTA CGAGTGGCTCCACTCCACAATACGATGTTTCATCGTTTTGATCACAAATACAGTTTGT TAGTCCAAGTAGGTGCGCTGCTGCAGACAGTGGGGCAGCCCTCGTGGGCTTGGGA CTGCCTGTCACTGTTCTCTCCTTGCTTCAGGCTCTACTGCTGTTGCTGCTGCTG ATACGGTCACCT

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:125	Middle	LPZ-055	AGGTGACCGTACATACAAGGTCTTATCACCAGCAGCAAGAATAATCAGTTGGCCAT CTTCTGCAGGCTTCTTGCTGCCTGAGACAGGAGCCTCAAGAAATCTTCCCCCTTT TCAATGATTGCCTCATTGATCTTTGTTGAAGTGATAGTATCAACTGTTGACATGTCA ATGTATCCTTTTCTGTACACATTTGCTCTAGGACACCATCCGAGAGGGCAGCAGG AGGATCAGACAGGATGGCTATGGTATAGTTGCACTTCTTTACAACCTCGGCAGGAG TGCTTCTATGGAAGCACCTTGCTGAACAAGTTCTTCACACCTAGACATTGTCCTAT TCCACACGGTCACCT
SEQ ID NO:126	Late	LPZ-056	GGTGACCGTACATACAAGGTCTTATCACCAGCAGCAAGAATAATCAGTTGGCCATC TTCTGCAGGCTTCTGGCTGCCTGAGACAGGAGCCTCATGAAATCTTCCCCCTTTT CAATGATTGCCTCATTGATCTTTGTTGAAATGATAATATCAACTGTTGACATGTCAAT GTATCCTTTGCTGTACACATTTGCTCTAGGACACCATCCGAGAGGGCAGCAGGA GGATCAGACAGGATGGCTATGGTATAGTCGCACTTCTTTACAACCTCGGCAGGAGT GCTTCTATGGAAGCACCTTGCTGAACAAAGTTCTTCACACCTAGACATTGTCTTA TTCCGCACGGTCACCT
SEQ ID NO:127	Late	LPZ-057	AGGTGACCGTGGAGGGGCTCCAGTTATCTGCATTGATGATGCTGCGAGGCTGTGT TCAGAGTGGTCCAATGGAGAAGGGGAAGACCAAGTGCCTATCCTGATTTTGGTGC CGCTTGTTCTTGGTGTAGAGAAGATCAACCCAAGGTATGTACCATCACTTCGTGAA ACGTTACATTTCCCCAAAGTCTTGGTATTGCTGGTGAAAGCCTGGAGCTTCAAC GTATATTGTTGGTGTTGAGGATGATCAGGCTCTGTACTTAGATCCACATGTAGTGC AGCAGGTGGTGGAGATATCTCCTGATAATATGGGGGTTGATACTGGTTCTTATCAT TGCAGTGATGTTCCCACTGCCACTTAATGCTATTGATCCATCATTAGCTATAGGTT TTTACTGCCCGGAATAGAAATAATTTTGACAACCTTGCTTACGGCACCT
SEQ ID NO:128	Late	LPZ-058	AGGTGACCGTGGAGGGGCTCCAGTTATCTGCATTGATGATGCTGCGAGGCTGTGT TCAGAGTGGTCCAATGGAGAAGGGGAAGACCAAGTGCCTATCCTGATTTTGGTGC CGCTTGTTCTTGGTGTAGAGAAGATCAACCCAAGGTATGTACCATCACTTCGTGAA ACGTTACATTTCCCCAAAGTCTTGGTATTGCTGGTGAAAGCCTGGAGCTTCAAC GTATATTGTTGGTGTTGAGGATGATCAGGCTCTGTACTTAGATCCACATGTAGTGC AGCAGGTGGTGGAGATATCTCCTGATAATATGGGGGTTGATACTGGTTCTTATCAT TGCAGTGATGTACCACTGCCACTTAGTGCTATTGATCCATCATTAGCTATAGGTTT TACTGCCCGGAATAGAAAAATTTTGACAACCTTGCTTACGGTCCCT
SEQ ID NO:129	Late	LPZ-059	AGGTGACCGTGCTAGGACACACAATTTCTCAGCAAGGATTACAGGTGGATCCTAAC AAAATTGCTATAATTCAAAGGTTCCACCTCCTTAAAGGTAAGAGATGTTTGGAGT TTTCTAGGCTTGGCAGGATATTATAGAAGATTCATCAAAGATTTTATTAGCTAGCC TCGCCATTGTCTAGCCTCTTAGGGAAAGATGTTGAGTTTCAATGGACTGATGACTG CCAAGGGGCTCTGGATGAGTTGAGAGATAAGCTGGTATCCGCCCCGATCTTGAGA GGTCTAAACTGGGCCCTACCTTTCCACATCCACATTGATGCCTCGAACAAAGCCAT AGGGGCAGCCTTAGGACAAGTTGAAGAGAAAAATACCATATGCCATATACTTTGTCA GCAAAAATCTGTCTAAGGCAGAAGTGAACCTATACGGTCACT
SEQ ID NO:130	Late	LPZ-060	AGGTGACCGTCATATTTCCCTCTATAGCAGCACTAACAATCCATTTTCTGAGTGCAT CAGAAAATCAACACACGGTAAATGTCTTGAGACTAACGAGAAATTAATAATCACGTT GTACAAAGAACAGTATGTCCCGTCACGTCACGAGTGCCCTGAGAGATCATCCAAC TTCTCTGAACCCCTCGTGTTACACGCACGCAAAATCAAGGATCAGTTGTAGTTATTGC TGGCGTGACAGACGTGACACCTACTGTTCCGCTACAAACGATATAATTGAATCCAT GATCGGATTATGTATTATGATCTTAGCGCAGTGGTTATGAAATTATGATGAATTTGC TTATGATTTTCTCAGCGTTTGTGGAAGAATCTCGCTATTGAAAACCTCCCCGTATAT TTCCAAACTTATTATCATCCACGGTCCCT

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:131	Late	LPZ-061	AGGTGACCGTACAGCATTTATTGATGTTCTATTTTGTTGTTTGAAGTTTTCCGATT CGCTGTGAGGCACGGAACGAGATAAGTTGTAAAGTTTGCTCGCTGATTTGAGG CACGGAACGAGATAAGTTGTAAATTTTGCTCGCTGATTTTTGCTGAATATTTT TCTCACTATAAAAGCATTTTCCAGAAATAAGAAGGAGCTTCGAACTGGTTTTCCC CAAGAGTTGTAGGGGGTTTTTCCACGGTCACCT
SEQ ID NO:132	Late	LPZ-062	AGGTGACCGTATTTATGGTCGCAGGCACAAATTCTGCTACTGTAGAAGGGTTCTTA CCAACCTTAGGTAGAAGGCGAGGAGGGCTTTATTAGTACAGTTCTGTGTAATCTTA ATGATATTTTTGCACTATTATTTTATGGTAAAGGATTGATTTGTCTTTTGCAAAGG CCTTAGGATTGTTTATTTACCTTTGGGCTAAGGGAGGAGGTAAATTTTTCACATTGG GAAAAAATGCCTCGGTGCTTGTACGGTCACCT
SEQ ID NO:133	Late	LPZ-063	AGGTGACCGTGCCAGTATGACAGATGGAACCATGCAGCTAGCCACCAAATTGTAAA CATCAAATTTTGCTTCAATATAAGTTGCAAATTCCTAATTAATTATGATCACCATTTC AACGGTCACCT
SEQ ID NO:134	Middle	LPZ-065	AGGTGACCGTGAATAGAAGCGAACACATCCTTGTTGCTGAATCTAACGACCAATCG GTATTTGGGTGTGTTGACTTGTCTTATCTTGTTAATCAGGCGGATCCTTGCCCT GTAATCGGTCTTCCCCTCTCTCCTGCGCTTGAATTTGACCTGAAACCTCTTGAAGTA GGCCCTGGTTTTCTGGGCTTTGACGAAAACCATGGTTGTGGATCTCCTCTCTCTG CTACGGTCACCT
SEQ ID NO:135	Middle	LPZ-066	AGGTGACCGTGGTAGAGGAGGCAGGCACTCATCTAACAGTCGAAAGCCCTTTACA AAGGGGAATGGTACCAGCATAGAGAAGAAACACAGACGGTTTGAAGAGGATGATG GATCTGCCATAGATGAACGATCAAATAAGGTTCAAAGCTGGAATGATGGTGAA TTCCATGCATCCCACTTGGCTCTGTCCCTCAAGTTGAATATACCTGGACGAGAGGT ATTGCATTTCCCAACGGTCACCT
SEQ ID NO:136	Middle	LPZ-067	AGGTGACCGTACTGATAATAGAAGAGGCAGGGAAAGAGAAATCAATGATAATAGAA GAGGCAGGGAAAGGGAGATCAATGGCATCATGCTACTTCTGTAGCTGTTAACT TAGTGATGTAATCTTCCATGGCAGACTCGGGGGTTTTATCTTTAAGTTGAATTTCCA TGCATCCCTTGGGCTCTGTCTCCAGTTGAATATCCTGGAACAAGAGGTTTTGCT TCCACGGTCCCT
SEQ ID NO:137	Late	LPZ-069	AGGTGACCGTGAGAAGGCACTTTATCCCCTGCTAAACCAAGTCCAGAAATGAGGA AAATATGTGAAACTGAATTGCTATATATGATGCCTAGTCTTGGCCTCTCAATTACA AGTTCAACGCTTCAAATGATTGAAATATGGACCTTCTTAACCGTTCTGGAAATCTA TCAATCTTCAAATTTTGAACTTTGCCTCGATCTTGGAGTGATCAGACTTGATTCT AATCCTAGAAATACCCTATCACTGGCTACCTGGTCTGTACGGTCACCT
SEQ ID NO:138	Late	LPZ-070	GGTGACCGTGGGATAGGCAGAAGCAAGAAACACAGAAGTTCTTCCGGGAATGTAA GCGCTGACAGTGGGGGAGAAAGTAGTGAACAAGGACATGGTCGGTATGAAATACA TGGCAGGCGATGGATTTCAAGGGATTAAGCATCTCAATGGATATTTACTATTGGAC TGTAGTAACTTTCCCATCGCTTTTGAACACATCTGTGGCTTAAGTGCATCTGTA ATGGTAAGCGAACCAGTTTTGTTCTGAACCACTTGATGTACGGTCACCT
SEQ ID NO:139	Late	LPZ-071	AGGTGACCGTGGTGGAGCGATTAGTGATTGTGATAAAGGGAGCATCAATATCTATG TAGACGCCGTATAAAGGTGGAAGGATGTTTTGCAGGTATTTCTTTGTAATGGT TTATAATGGGTTAAGCTCGGATATATGAGGTTTATATATAAGTCCTGTAGTGTCAG TCTTACCAGCCTTCTCCAGTGATCAAATGTGCTCTAACAAAGTGATTTTGAAGTGT CAAGGTCAAATTATGTCATTTCAAGTGTCTTCAAACAAATTTGGTCACTAGGCAT TAGGTCTAAGGGTTTGCTTGAACCTCCTCTAGAGTTGTCAAATGGGCGGGCTATG TCATCATTTAAGCTGAATCTATCATCAATCAATAAGGTTTTTCATTATCATGTGAGT GTCTAAATGAGTCATTTACCGTCTTGTTCACGGCTTCACTTGTGCTTTGGCAAAT TCAATCCCTCCTCAAGGGTTTGAACCAATTCTCTTGGACGGCCCTAAACCA ATCTGCAAAATCCAC

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